



#3

OIPE

RAW SEQUENCE LISTING

DATE: 03/14/2002

PATENT APPLICATION: US/10/078,090

TIME: 19:25:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03142002\J078090.raw

3 <110> APPLICANT: Salceda, Susana
4 Macina, Roberto
5 Hu, Ping
6 Recipon, Herve
7 Karra, Kalpana
8 Cafferkey, Robert
9 Sun, Yongming
10 Liu, Chenghua
12 <120> TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes
and Proteins
14 <130> FILE REFERENCE: DEX-0312
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/078,090
C--> 16 <141> CURRENT FILING DATE: 2002-02-14
16 <150> PRIOR APPLICATION NUMBER: 60/268,999
17 <151> PRIOR FILING DATE: 2001-02-15
19 <160> NUMBER OF SEQ ID NOS: 210
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 357
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapien
28 <400> SEQUENCE: 1
29 cgggcccggca gtatgatgga tcggccgccc gggcaggtag agctgggtccc actcctctct 60
31 ggtgaagtcc acggccacga tcctgaaacg tcagtgttc ctgagatctc accatctgtg 120
33 agccatcatt catttcttcc tcctccatgt tcccctcctg agaaaaaaca gcattctgag 180
35 aaggcataac ttcttctttg agtctctcga ttcagtcttc cactgggatt acacctctct 240
37 gcagttctta tgttgtaatg tcgccaagc tctgctatct tctacatgaa agtcagcaga 300
39 tgcaccagga ccagcagctt aaggagctgg ggctgctctt gaaagttgat gtccagt 357
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 2152
44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapien
47 <400> SEQUENCE: 2
48 agcggagcgt cttgcgcgc cattgcgggg aggctgtcct cagagcagggt ctggcgcgcc 60
50 ggtggctgga cgggcccag gagcccagtc accgggcgtc attggctcag gctgcggggc 120
52 cctcggcacc ttctccctcc cgggtccacc gcggcgcgcg cggcgcgcgcg ggcggcgacg 180
54 gcggcgcgcg caggtggcgg agcctgcgga agcgccttt gtctgcggag gtcaacatac 240
56 ctggcctaag gaggcaggat tgagtgaact tcaactacca ctggtgttgc tctttgaaag 300
58 tggcgcttgg caccagcatg aactcccat cctcagcaat cccatcagggt gttttgggtc 360
60 ttcaacctaa aattctatct tacaagatcc ttgccaggat gcagatttga atactatagt 420
62 gaagtctgta catgaagaaa tgatgctttt agggaggaaa aaacaacaag gtaataacaa 480
64 ccttcaagag ccccttcac tcaactcggc ataaacaagg caagattctg agagtggccg 540
66 cccctggaag cagaaattat tctgtgtggc tatccatgtg gctcctgagg ctctaatacag 600
68 agatggggca ccttagtac caggggagtg actgttgccc ataaggtact ggacatcaac 660

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,090

DATE: 03/14/2002

TIME: 19:25:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03142002\J078090.raw

```
70 tttcaagagc agccccagct cettaagctg ctggctcctg tgcatctgct gactttcatg 720
72 tagaaagata gcagaagctt gtggcgacat tacaacataa gaactgcaga gaggtgtaat 780
74 cccagtggaa gactgaatcg agagactcaa aaaggaagtt atgccttctc agaatgctgt 840
76 tttttctcag gaggggaaca tggaggagga agaaatgaat gatggctcac agatggtgag 900
78 atctcaggaa tcactgacgt ttcaggatgt ggccgtggac ttcaccagag aggagtggga 960
80 ccagctgtac cctgccccaa agaacctcta tcgagacgtg atgctggaga actacaggaa 1020
82 tctagtgtca ctggggtatc agctttgtaa gccagaggta atcgcgagcaggaggctaga 1080
84 ggaagaatgg gtgatagaaa gagacagcct gctggatact catccagatg gagaaaacag 1140
86 acccgaaatc aaaaagtcaa ccacaagcca gaattattct gatgaaaatc aaacccatga 1200
88 gatgataatg gagagactcg caggagacag cttctggtac tccatcctag gaggactctg 1260
90 ggattttgat taccatccag agtttaacca agaaaaccac aagagatatt taggacaagt 1320
92 aactttgacc cacaaaaaga tcacacagga gagaagcctt gagtgtataa aatttgaga 1380
94 aaactgtaat ctgaactcaa accttatgca gcagagaatt ccttccatta aaatacccct 1440
96 gaattctgac acacagggaa acagcatcaa acataattca gacttgattt actatcaggg 1500
98 aaattatgta agagagactc cctatgaata tagtgagtgt ggaaaaatct tcaatcaaca 1560
100 tattcttctt actgatcata ttcatactgc agagaaaccc agtgagtgtg ggaaggcctt 1620
102 cagccacacc tcactctctta gccagcctca gatgttgctt acaggagaga agccctataa 1680
104 gtgtgatgaa tgtggaaaaa gattcagcca gaggatacat ctcatccaac atcagagaat 1740
106 tcacacagga gaaaagcctt ttatatgcaa tggatgtggg aaagccttcc gtcagcatc 1800
108 atcctttact caacatctga ggattcatac tggagaaaag ccctataaat gtaatcaatg 1860
110 tggtaaagct ttttagccga tcacatccct tactgaacat catagacttc ataccggaga 1920
112 gaaaccttac gaatgtggtt tctgtggcaa agccttcagt cagaggacac atctgaatca 1980
114 acatgaaaga actcatacag gagagaaacc ctataaatgt aatgaatgcg ggaaagcctt 2040
116 tagccagagt gcacacctta atcaacacag gaaaatccat actcgggaga aattatgtga 2100
118 atataaatgt gagcaaacgt ttcgccacag tccttcattt agcagcacat aa 2152
121 <210> SEQ ID NO: 3
122 <211> LENGTH: 1079
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapien
126 <400> SEQUENCE: 3
127 acaaattata cataataaag tgtttttaat aatcaaaaaa aaaaaaaaaa aaaaaaaag 60
129 acctaaaaaa aggggggttc aaaaaattgt ggcaaaacac tttctcaagt caataggcca 120
131 accccattca cccattactc gggaacaaag gtcccgaagc acgaagggca aactcagcga 180
133 tgcatgcagg caacaggaca aacaaaggcg gtgaaaagcg aaaagcagaa agacgtacag 240
135 catgcagtga tcgaacaacg gccaaagaaac gcgcacaatg gtggcgttcc agcatggcag 300
137 gcagcgcatg ccacacgcgc ggtcacaagc ggaatccaac gacagcgcac agaaggacgc 360
139 cgaagggaaca gacatatcca cccagagca aataaatcaa cgcttgcgga cccacaggag 420
141 caaaaaaac tacaacgcgc caaacgacac ccactgctcg ctccatggtg gggcaccacg 480
143 agaaacaaca cccctagtgt acggaaacct ctgcacccc gccaacgaca gggcagactc 540
145 tggggcacga caaactgcca caagcaaaga aagcgcccc catcaaatg aggaccaagt 600
147 cggcgaaaaa acaccccgat agtggggcac acaggcacca acagaaccag ctgcatgccg 660
149 tggcgacca agacgggtcc gccgggtggg cgaacaatca cggggggcaa gttggggacc 720
151 aacaaaaacac acctgcggat ggggggcccc cccctgttag gaccacgtat tatgatactg 780
153 aactacagat atcaaaacag tagtaaagac ctaacatact gaaaatcact atatagtgtg 840
155 ccgagccgag tgggtgtgctc cacataccta gtgcgacaca cggtgtcga tactacgaag 900
157 tttgatagat caccggaacg agcttaccta tacatatggt aaacccgtac ggtggtgtga 960
159 gtgattggaa ctcatggagt gagtgatctg ccccgtaaaa ataattctag cggagaaaca 1020
161 gttgtccgag cgaaacgcag acatctgttc acagctgtgt ctggacaaac aacttgta 1079
164 <210> SEQ ID NO: 4
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,090

DATE: 03/14/2002

TIME: 19:25:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03142002\J078090.raw

165 <211> LENGTH: 348
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapien
169 <400> SEQUENCE: 4
170 atggagagct cccgcgtgag gctgctgcc ctcctgggag cgcacctgct gctgatgcta 60
172 cctctgttgg gtaccctgtc ccaggaggac gccagagctc agccccgagc cctggacatc 120
174 tactctgccg tggatgatgc ctcccacgag aaggagctga tcgaagcgtc gcaagaagtc 180
176 ttgaagaagc tcaagagtaa acgtgttccc atctatgaga agaagtatgg ccaagtcccc 240
178 atgtgtgacg ccggtgagca gtgtgcagtg aggaaggagg caaggatcgg gaagctgtgt 300
180 gactgtcccc gaggaacctc ctgcaattcc ttcctcctga agtgctta 348
183 <210> SEQ ID NO: 5
184 <211> LENGTH: 1782
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapien
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (322)..(322)
191 <223> OTHER INFORMATION: a, c, g or t
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (466)..(466)
197 <223> OTHER INFORMATION: a, c, g or t
200 <220> FEATURE:
201 <221> NAME/KEY: misc_feature
202 <222> LOCATION: (469)..(470)
203 <223> OTHER INFORMATION: a, c, g or t
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (474)..(474)
209 <223> OTHER INFORMATION: a, c, g or t
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (1287)..(1287)
215 <223> OTHER INFORMATION: a, c, g or t
218 <400> SEQUENCE: 5
219 cccccccct cttttttttt ttttttggga tttttatgga ctctttattg gaaacagggg 60
221 ctcaatcttg gtcactctca ggccagagggt gcagtggggg ggtgaccaca gtctccctgg 120
223 tcagccttca acctctccca agcttcaaac aattcctctc ccaccttcag ttcttccaga 180
225 agttagcgtg ggactacgag gtgtgcaaca acaccattac ccgagggtga atttttttgt 240
227 gtggcagaaa taagtgggtc tcagtgtgtg ttatctcccg agggcgtggg gtgttaaaaa 300
229 actctctcgt ggagcctcga gnggggaact cctctcccg cgtgtctctgc ggccctctcc 360
231 ccaaagagtg tggctgtggg cggattacga ggggtgtgtg gacgcacacc ccgatgtggc 420
W--> 233 gcgtggggct atatattgtg gttttctttc tacaaaaaat ctatangann aaanatctct 480
235 ctcccagagag atgtgtgtct tacacaaaaa cctatatgag ggaccatat atttctctta 540
237 tatatatatta taccacatg tgcacatttg tgcacaagga aaatatcttt ttataaaggc 600
239 tgtgggacga gggagatata atattaagag agagagaggg gcatttattt ctaaaaaacc 660
241 atttaaggag aggcgcgtgg gcgaaggcta taaaagaggc gaaggaaaaac tctccagggg 720
243 cgggcgacaa acattattta tctgcggtgt cctataaaaa aatttcttta tgtgtctttt 780
245 ttacgaaaaa gagagagaaa caacaccaag aggcgcctg gagagggcga tctccgacgg 840

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,090

DATE: 03/14/2002

TIME: 19:25:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03142002\J078090.raw

247 gtgagacctc cataaaaaag ctcttctccc caatcttctt tcaagaggaa aaaagggcgt 900
 249 ggaacaatat agcgcgttat aaatctcttt ataccccaaa gaggaaaaaa cttcgaggaa 960
 251 aagaggcgaa ttttctctta taagtgggtt ttctcccca aaatgcggcg cttacacacg 1020
 253 ggagccagac gggaggccaa aaaactcccc caatattttc aaatctgtca gtgggacaac 1080
 255 cacaacagcc ttccaatatt taaacctctt gtgggcgttg tggaaggggg cgtctttttc 1140
 257 aacacaaaaa tttgtgttgt tttttaaaact ttttttttcc caaggggaac accttaaaac 1200
 259 gacgttggcg cggataaaac ccaactgggc gcaaataagg ccgtgggtcc tcgttgggtg 1260
 261 ~~ctcggaaaaa~~ ~~ctctcgggtt~~ ~~aatccnngt~~ ~~ttcacaaatc~~ ~~cccacataag~~ ~~aagatgagaa~~ 1320
 263 ccacgcacac gcagaactaa ccatggcacg ggacgacacc gcacgaacga caggacacga 1380
 265 cagcagcgaa cgacgcgccc acaccacaca cagcgaacc agacagacga gacagcagag 1440
 267 gaccacacaa cagatagtgc caccaatcaa aaacgaaacc agcaaccaag actatataaa 1500
 269 gcagacgaac acatacagac ggaccaccaa gacacgaagc agaagaacga cgaccaagga 1560
 271 gaacaaagac gacaaccgaa gacacgactg caaacacag agtgcagaca caacgaacac 1620
 273 acgtaaaccac cagaaccgac acccaacaca acaacagaag ccacagacag caaccacaca 1680
 275 gacaagaaca gcaaacagac cgaacacaag cacacaaaca gacaaaatcg acatcaaacac 1740
 277 acacacagaa gacaaaacaa cagcagaac acagccaagg gg 1782

280 <210> SEQ ID NO: 6

281 <211> LENGTH: 1023

282 <212> TYPE: DNA

283 <213> ORGANISM: Homo sapien

285 <400> SEQUENCE: 6

286 cggctggcgg gggagggtccc cccccctttt tttttttttt gttttttttt tttttttttt 60
 288 tttttttttt ttttattatt atttgaaaaa aaaaaaatt ttttttatat ttcataattg 120
 290 ttggtagggg ggggtgaaaa gaaagaaaga aaaagagaga gaaaaagatg agaggggggt 180
 292 ggtgatggag agaacaataa ataaacaaca taatggagta gagagtgaac cgtggtgtgt 240
 294 gttgttgtat catacacacg catatcctca ccggagggtc aactaagaa ccgacgtaca 300
 296 ttgtagatga gatagagaca tcaacacatg aagaagtgtt gatgatacgc gatagacaac 360
 298 acaacaatga tgaagcacac acacactaca catctaccag aacacagaac caccacgaag 420
 300 acaaaaaacac gcgacacaga cacaacacac agagcgaagg agggaggagc acccaaaaa 480
 302 actcgccaca cagcagcgcg tcacatcaca acaccaccac cagcagcgca ccacagaaga 540
 304 gaaaaatatg aatccagaac aggcacaaca taagaaggga taagagacac agaacaacgc 600
 306 atgagagaga aacacaacag gaggcgacaa caacctgacg aagacacgca acgcgagagc 660
 308 aagaagccac agcaaagtag cagcaaaacg actcaaacac acaaagtcac cccctaccac 720
 310 cagcaccact ctccgacaac acagcacagg aaagacaaga acgtcaaggc tcgagaccac 780
 312 ccacacccaa acatcgctga aaacgacgag acaccacaaa aagtaaataa catgatgaaa 840
 314 gacaaacaca acaaagcaaa gcctaacacg aaacaagcaa aaaaaggaaa gaaaaacaga 900
 316 cagcactcag acagcagaag taccaaaaga ataagacgca agcagatcaa gacaaccgac 960
 318 agatagcgaa gtcacacgga aaagaaaaag taggagagaa gagacagcca aaagatacaa 1020
 320 gga 1023

323 <210> SEQ ID NO: 7

324 <211> LENGTH: 35

325 <212> TYPE: DNA

326 <213> ORGANISM: Homo sapien

328 <400> SEQUENCE: 7

329 acccaatttt atatcctttt ttaaaggagt gacct 35

332 <210> SEQ ID NO: 8

333 <211> LENGTH: 540

334 <212> TYPE: DNA

335 <213> ORGANISM: Homo sapien

RAW SEQUENCE LISTING

DATE: 03/14/2002

PATENT APPLICATION: US/10/078,090

TIME: 19:25:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\03142002\J078090.raw

337 <400> SEQUENCE: 8

338	cggcgcgcgg	caggtacccg	ggactacagg	tgcatgccac	tacatccaac	tagttaattt	60
340	tttttttttt	tttttttttt	tttttttttt	ttggaaaaag	ggggtcaaat	tttgggtggc	120
342	cggggtggtt	aaaacccgtg	tgggtcaaga	aattttccca	cgcttggccc	tccaaagagg	180
344	tgctatagga	atatacgggg	tgggaagcta	taccactttt	tgtaggaaat	ataacaaatt	240
346	attttattta	attaattaaa	aaaaaagtgt	ctccatgtgg	gcaacagtgg	tgttactcag	300
348	gcagaagaaa	aagcgcactt	agaagtgtga	gggacctata	aaacaaattc	gagtgttgac	360
350	agggattttc	atagggagct	atagcctttc	tgctaataata	ttatttactg	ttgaaaccag	420
352	aaggattggg	ggcggtaaac	taagtgaagg	aacagtaggc	tggtttgtcc	gtggttgagg	480
354	aaagtagtgt	atactcgcgg	ttctaaattt	tccacaaaaa	tattagtgga	agaaaggaga	540

357 <210> SEQ ID NO: 9

358 <211> LENGTH: 645

359 <212> TYPE: DNA

360 <213> ORGANISM: Homo sapien

362 <400> SEQUENCE: 9

363	gcggcgccgg	gcaggtacag	ttgttcctca	ccatgacctt	ggggtcccgt	cccaactaat	60
365	ccagagccat	gtgggtttgc	agagacaggc	attcctccca	tattctggcc	tctgacctga	120
367	aatcttctaa	cttgagaaga	gaacagtcac	cttcctggga	atctgaaata	gaaaggcaaa	180
369	tttgtgaagg	cctttctgac	atctgaatgg	ctggatttgc	atttgcgtga	gtgataactc	240
371	agtgccatcc	agacctgaca	gtgatgaacg	atgctggatt	ctgctcaaat	tccatcaaag	300
373	cctgcagggt	gaagactctg	gtccctgaac	ccagtgtcct	ctggcccttc	ctgtcaaagc	360
375	attggagtga	cagggagaca	tttgagaggc	agtgaggagg	aaggacagag	gcatcagggt	420
377	gggtgtggca	gcttccatat	ttacgcacgg	gcagaagcag	cagatgaggg	taagattcat	480
379	gagtgggaga	ggagggacgg	ttagagaaca	atgggaaaat	ttccttcttc	atgtaagaat	540
381	ctggacctta	ttgaagtctc	tcctgcttgt	tgggcaaaag	taatgaaact	ccattggcct	600
383	cagatgaggt	cactccaatg	atcacagcat	aaaaagatca	ctcaa		645

386 <210> SEQ ID NO: 10

387 <211> LENGTH: 806

388 <212> TYPE: DNA

389 <213> ORGANISM: Homo sapien

391 <400> SEQUENCE: 10

392	gcggcgccgg	gcaggtacag	ttgttcctca	ccatgacctt	ggggtcccgt	cccaactaat	60
394	ccagagccat	gtgggtttgc	agagacaggc	attcctccca	tattctggcc	tctgacctga	120
396	aatcttctaa	cttgagaaga	gaacagtcac	cttcctggga	atctgaaata	gaaaggcaaa	180
398	tttgtgaagg	cctttctgac	atctgaatgg	ctggatttgc	atttgcgtga	gtgataactc	240
400	agtgccatcc	agacctgaca	gtgatgaacg	atgctggatt	ctgctcaaat	tccatcaaag	300
402	cctgcagtgt	gaagactctg	gtccctgaac	ccagtgtcct	ctggcccttc	ctgtcaaagc	360
404	attggagtga	cagggagaca	tttgagaggc	agtgaggagg	aaggacagag	gcatcagggt	420
406	gggtgtggca	gcttccatat	ttagcagaga	gaagcagaga	tgagggttaag	attatgagtg	480
408	ggagaggagg	gaaggttaga	gaacaatgga	aaaattttct	tcttcagtgt	aagaattctg	540
410	gaccttattt	tgaagtctct	cctgctttgt	tgggcaaaag	taatgagaaa	ctccacttgg	600
412	cttcagaatg	cagtgtcaac	tccacatgaa	tcaaagcaat	aaaaaagaat	caactcagag	660
414	caggctgagc	tatgtgaggt	atgaaaactt	gatcagggcc	agcgtgagta	tgggacttca	720
416	gtcatgctcc	cactccctca	caggaccac	acgggtggag	ggtgggggga	attgtttaaa	780
418	agcatttagt	tcctaaacta	gctgcc				806

421 <210> SEQ ID NO: 11

422 <211> LENGTH: 122

423 <212> TYPE: DNA

424 <213> ORGANISM: Homo sapien

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/078,090

DATE: 03/14/2002
TIME: 19:25:20

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03142002\J078090.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 322,466,469,470,474,1287
Seq#:13; N Pos. 782
Seq#:16; N Pos. 516,788
Seq#:23; N Pos. 661
Seq#:27; N Pos. 143
Seq#:28; N Pos. 631
Seq#:40; N Pos. 255,256,257,258,259,260,261,262,263,264,265,266,267,268,269
Seq#:40; N Pos. 270,271,272,273,274,275,276,277,278,279,280,281,282,283,284
Seq#:40; N Pos. 285,286,287,288,289,290,291,292,293,294,295,296,297,298,299
Seq#:40; N Pos. 300,301,302,303,304,305,306,307,308,309,310,311,312,313,314
Seq#:40; N Pos. 315,316,317,318,319,320,321,322,323,324,325,326,327,328,329
Seq#:40; N Pos. 330,331,332,333,334,335,336,337,338,339,340,341,342,343,344
Seq#:40; N Pos. 345,346,347,348,349,350,351,352,353,354,355,356,357,358,359
Seq#:40; N Pos. 360,361,362,363,364,365,366,367,368,369,370,371,372,373,374
Seq#:40; N Pos. 375,376,377,378,379,380,381,382,383,384,385,386,387,388,389
Seq#:40; N Pos. 390,391,392,393,394,395,396,397,398,399,400,401,402,403,404
Seq#:40; N Pos. 405,406,407,408,409,410,411,412
Seq#:44; N Pos. 45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64
Seq#:44; N Pos. 65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84
Seq#:44; N Pos. 85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102
Seq#:44; N Pos. 103,104,105,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:44; N Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131,132
Seq#:44; N Pos. 133,134,135,136,137,138,139,140,141,142,143,144,145,146,147
Seq#:44; N Pos. 148,149,150,151,152,153,154,155,156,157,158,159,160,161,162
Seq#:44; N Pos. 163,164,165,166,167,168,169,170,171,172,173,174,175,176,177
Seq#:44; N Pos. 178,179,180,181,182,183,184,185,186,187,188,189,190,191,192
Seq#:44; N Pos. 193,194,195,196,197,198,199,200,201,202,203,204,205,206,207
Seq#:44; N Pos. 208,209,210,211,212,213,214,215,216,217,218,219,220,221,222
Seq#:44; N Pos. 223,224,225,226,227,228,229,230,231,232,233,234,235,236,237
Seq#:44; N Pos. 238,239,240,241,242,243,244,245,246,247,248,249,250,251,252
Seq#:44; N Pos. 253,254,255,256,257,258,259,260,261,262,263,264,265,266,267
Seq#:44; N Pos. 268,269,270,271,272,273,274,275,276,277,278,279,280,281,282
Seq#:44; N Pos. 283,284,285,286,287,288,289,290,291,292,293,294,295,296,297
Seq#:44; N Pos. 298,299,300,301,302,303,304,305,306,307,308,309,310,311,312
Seq#:44; N Pos. 313,314,315,316,317,318,319,320,321,322,323,324,325,326,327
Seq#:44; N Pos. 328,329,330,331,332,333,334,335,336,337,338,339,340,341,342
Seq#:44; N Pos. 343,344,345,346,347,348,349,350,351,352,353,354,355,356,357
Seq#:44; N Pos. 358,359,360,361,362,363,364,365,366,367,368,369,370,371,372
Seq#:44; N Pos. 373,374,375,376,377,378,379,380,381,382,383,384,385,386,387
Seq#:44; N Pos. 388,389,390,391,392,393,394,395,396,397,398,399,400,401,402
Seq#:44; N Pos. 403,404,405,406,407,408,409,410,411,412,413,414,415,416,417
Seq#:44; N Pos. 418,419,420,421,422,423,424,425,426,427,428,429,430,431,432
Seq#:44; N Pos. 433,434,435,436,437,438,439,440,441,442,443,444,445,446,447
Seq#:44; N Pos. 448,449,450,451,452,453,454,455,456,457,458,459,460,461,462

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/078,090

DATE: 03/14/2002
TIME: 19:25:20

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03142002\J078090.raw

Seq#:44; N Pos. 463
Seq#:45; N Pos. 254,255,256,257,258,259,260,261,262,263,264,265,266,267,268
Seq#:45; N Pos. 269,270,271,272,273,274,275,276,277,278,279,280,281,282,283
Seq#:45; N Pos. 284,285,286,287,288,289,290,291,292,293,294,295,296,297,298
Seq#:45; N Pos. 299,300,301,302,303,304,305,306,307,308,309,310,311,312,313
Seq#:45; N Pos. 314,315,316,317,318,319,320,321,322,323,324,325,326,327,328
Seq#:45; N Pos. 329,330,331,332,333,334,335,336,337,338,339,340,341,342,343
Seq#:45; N Pos. 344,345,346,347,348,349,350,351,352,353,354,355,356,357,358
Seq#:45; N Pos. 359,360,361,362,363,364,365
Seq#:51; N Pos. 856
Seq#:70; N Pos. 255,259,325,354,356,623,628
Seq#:71; N Pos. 595,644,695,758,783
Seq#:72; N Pos. 327
Seq#:73; N Pos. 236
Seq#:77; N Pos. 177,178,179,180,181,182,183,184,185,186,187,188,189,190,191
Seq#:77; N Pos. 192,193,194,195,196,197,198
Seq#:81; N Pos. 568
Seq#:86; N Pos. 198
Seq#:96; N Pos. 590
Seq#:99; N Pos. 778
Seq#:104; N Pos. 380,404,618
Seq#:105; N Pos. 548,572,786
Seq#:106; N Pos. 627